

**Notice of Allowability**

Application No.

10/700,385

Examiner

John Pezzlo

Applicant(s)

DEVANAGONDI ET AL.

Art Unit

2616

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to application filed 11/3/03.
2. ☒ The allowed claim(s) is/are 1-10.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.


Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date 5/10/04
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_.
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☒ Other See Continuation Sheet.

  
**JOHN PEZZLO**  
**PRIMARY EXAMINER**

Continuation of Attachment(s) 9. Other: Drawings filed 11/3/03 are accepted by the examiner.

## **DETAILED ACTION**

### ***Reasons For Allowance***

The following is an examiner's statement of reasons for allowance: Applicants have claimed uniquely distinct features in the instant invention, which are not found in the prior art, either singularly or in combination. The independent claim identifies the following uniquely distinct features:

1. Regarding claim 1 – A multi-port packet switching device comprising: a plurality of port units communicatively coupled in a packet transport time division multiplexed (TDM) configuration, the packet TDM configuration transporting a packet in one or more cells of about equal size, the one or more cells including a start cell including an internal header, and each of the port units being communicatively coupled to an address lookup module and an external device interface, the address lookup module comprising logic for determining a multi-bit destination queue map for the packet, the multi-bit destination queue map including a group of bits for each port unit and each group of bits including at least one bit for each queue in each port unit.
2. Regarding claim 9 - In a multi-port packet switching device comprising a plurality of port units communicatively coupled in a packet transport time division multiplexed (TDM) configuration, the packet TDM configuration transporting a packet in one or more cells of about equal size, the cells including a first cell including a packet header of the packet, the method comprising: determining a multi-bit queue map for a packet to be sent to the packet TDM

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configuration wherein the multi-bit queue map includes a group of bits for each port unit in the configuration and each group of bits including at least one bit for each queue in each port unit, wherein the controller accesses the group of bits for its port unit and determines based on the queue bits if the one or more cells of the packet are destined for its port unit, prepending the queue map as an internal header in the first cell of the packet, and transmitting the one or more cells of the packet onto the packet TDM configuration.

The closest prior art, either singularly or in combination, fail to anticipate or render the above limitations obvious.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Allowable Subject Matter***

Claims 1-10 are allowable over the prior art of record.

### ***Conclusion***

Claims 1-10 being allowable, **Prosecution On The Merits Is Closed** in this application.

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The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

1. Hassell et al. (US 6,208,650 B1) discloses circuit for performing high-speed low latency frame relay switching with support for frame fragmentation and reassembly and channel multiplexing.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to John Pezzlo whose telephone number is (571) 272-3090. The examiner can normally be reached on Monday to Friday from 8:30 AM to 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wellington Chin, can be reached on (571) 272-3134. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571) 272-2600.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C.

or faxed to:

(571) 273-8300

For informal or draft communications, please label "PROPOSED" or "DRAFT"

Hand delivered responses should be brought to:

Jefferson Building

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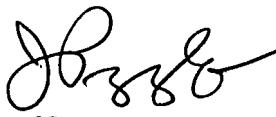
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John Pezzlo

20 May 2007



**JOHN PEZZLO**  
**PRIMARY EXAMINER**